

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2018 Levee Inspection Results**

**Lake County Watershed Protection District**

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	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection  
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2018 Levee Inspection Results**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles
Unit No. 01 Middle Creek	Left	3.35

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/12/2018 - 4/12/2018			
DWR Inspector	Bob Duffey			
Accompanied By	Scott Webb Lake County			
	David Cowan Lake County			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/12/2018 04/12/2018	Bob Duffey

LM Start		Rating **	A	Issue No.	1
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals				
DWR ID	DWR_NA0009_01_s _ 2013_1				
Comment Code					
Inspector Comment					
The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment				
DWR ID	DWR_NA0009_01_s _ 2013_9				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training				
DWR ID	DWR_NA0009_01_s _ 2013_10				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2016.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.14	Rating **	M	Issue No.	24
LM End	0.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.188465 °	39.187392 °
				-122.907687 °	-122.907885 °
DWR ID	DWR_NA0009_01_f_2015_24				
Comment Code					
FE : Fence					
Inspector Comment					
Remove the fence from the landside toe.					

Photo 1 of 1 : SP\_2018\_NA0009\_3\_24\_20180305\_00014.jpg



View of the fence along the landside toe.

LM Start	0.26	Rating **	M	Issue No.	11
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.186777 °	39.186777 °
				-122.908102 °	-122.908102 °
DWR ID	DWR_NA0009_01_s_2013_11				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_NA0009\_3\_11\_20180305\_00006.jpg



View of the overgrown trees at the landside slope.

LM Start	0.32	Rating **	C	Issue No.	21
LM End	0.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.186055 °	39.186055 °
				-122.908583 °	-122.908583 °
DWR ID	DWR_NA0009_01_f_2015_21				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings was removed from the landside slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.56	Rating **	M	Issue No.	535
LM End	0.56	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.183519°	39.183519°
				-122.911379°	-122.911379°
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26943 DS_ID:21193 EP_NO: 5237 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 6-inch coated steel irrigation pipe possibly sleeved through an 8-inch steel pipe, 3 feet below the crown. Siphon breaker in 24-inch corrugated metal riser unit on the landside (LS) slope. Reinforced concrete cutoff wall at center of levee. Butterfly valve on the waterside (WS) at pump on concrete base on the WS bank. Pole on the WS berm with overhead power line supplying electricity to the pump. (Installed under Permit No. 5237, 1966 - Moitozo Brothers, Inc.). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 0.54)]. FS Date: 1/9/2014					

Photo 1 of 3 : UCIP\_SP\_2018\_26943\_49782.jpg



Pipe and siphon breaker visible on LS slope.

LM Start	<b>0.56</b>	Rating **	M	Issue No.	<b>535 (cont)</b>
LM End	<b>0.56</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_26943\_49781.jpg



Power pole, meter, and pump visible on WS berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.56	Rating **	M	Issue No.	535 (cont)	
LM End	0.56	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.183519 °	39.183519 °	
				-122.911379 °	-122.911379 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26943 DS_ID:21193 EP_NO: 5237 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 6-inch coated steel irrigation pipe possibly sleeved through an 8-inch steel pipe, 3 feet below the crown. Siphon breaker in 24-inch corrugated metal riser unit on the landside (LS) slope. Reinforced concrete cutoff wall at center of levee. Butterfly valve on the waterside (WS) at pump on concrete base on the WS bank. Pole on the WS berm with overhead power line supplying electricity to the pump. (Installed under Permit No. 5237, 1966 - Moitozo Brothers, Inc.). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 0.54)]. FS Date: 1/9/2014						

Photo 3 of 3 : UCIP\_SP\_2018\_26943\_49780.jpg



Pump and butterfly valve on WS berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.84	Rating **	M	Issue No.	536	
LM End	0.84	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.179534 °	39.179534 °	
				-122.912512 °	-122.912512 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26946						
DS_ID:21196						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pump and pipe appear abandoned and should be done so properly.						
FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel irrigation pipe through the levee, 3 feet below the crown. Siphon breaker in 24-inch corrugated metal riser unit on the landside (LS) slope. Pump on the waterside (WS) bank with a butterfly valve. Service pole on the WS berm. (Moitozo Brothers, Inc.). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 0.83)].						
FS Date: 1/9/2014						

LM Start	<b>0.84</b>	Rating **	M	Issue No.	<b>536 (cont)</b>
LM End	<b>0.84</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_26946\_49789.jpg



Siphon breaker in 24-inch cmp riser with vent on LS shoulder.

Photo 2 of 3 : UCIP\_SP\_2018\_26946\_49788.jpg



Pump, pole, and meter on WS berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.84	Rating **	M	Issue No.	536 (cont)	
LM End	0.84	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.179534 °	39.179534 °	
				-122.912512 °	-122.912512 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26946						
DS_ID:21196						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pump and pipe appear abandoned and should be done so properly.						
FIELD_STRUCT_DESC: *ABANDONED* 8-inch steel irrigation pipe through the levee, 3 feet below the crown. Siphon breaker in 24-inch corrugated metal riser unit on the landside (LS) slope. Pump on the waterside (WS) bank with a butterfly valve. Service pole on the WS berm. (Moitozo Brothers, Inc.). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 0.83)].						
FS Date: 1/9/2014						

Photo 3 of 3 : UCIP\_SP\_2018\_26946\_49787.jpg



Pump and butterfly valve visible on WS berm.

LM Start	1.15	Rating **	C	Issue No.	27
LM End	1.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.175465 °	39.172077 °
				-122.912012 °	-122.914226 °
DWR ID	DWR_NA0009_01_s_2016_27				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The walnut trees were pruned up over 5 feet for Visibility.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/12/2018 04/12/2018	Bob Duffey

LM Start	1.53	Rating **	C	Issue No.	35
LM End	1.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170428 °	39.170428 °
				-122.914948 °	-122.914948 °
DWR ID	DWR_NA0009_01_s_2017_35				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The tree stumps was removed from the landside toe.					

No Photos

LM Start	1.57	Rating **	A/W	Issue No.	290
LM End	1.57	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.169918 °	39.169918 °
				-122.915197 °	-122.915197 °
DWR ID	DWR_NA0009_01_f_2014_290				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_NA0009\_3\_290\_20180305\_00020.jpg



View of the prunings along the landside toe.

LM Start	2.12	Rating **	U	Issue No.	26
LM End	2.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.161995 °	39.161995 °
				-122.915383 °	-122.915383 °
DWR ID	DWR_NA0009_01_s_2016_26				
Comment Code					
MA : Material					
Inspector Comment					
Remove large gravel piles from LS toe.					

Photo 1 of 1 : SP\_2018\_NA0009\_3\_26\_20180305\_00016.jpg



5/2/2016: Remove large gravel piles from L/S toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/12/2018 04/12/2018	Bob Duffey

LM Start	2.26	Rating **	A/W	Issue No.	537	
LM End	2.26	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.160327 °		39.160327 °
				-122.913998 °		-122.913998 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26987 DS_ID:21240 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (two 36-inch pipes [HLM 2.26] retained under Automatic Board Order (ABO) issued as Permit No. 11460, 1975 - Robert L. and Lavona Gentry). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 2.26)]. FS Date: 1/14/2014						

Photo 1 of 3 : UCIP\_SP\_2018\_26987\_49853.jpg



Pipe and Concrete headwall visible on LS toe.

LM Start	<b>2.26</b>	Rating **	A/W	Issue No.	<b>537 (cont)</b>
LM End	<b>2.26</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_26987\_49852.jpg



Pipe and Concrete headwall visible on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/12/2018 04/12/2018	Bob Duffey

LM Start	2.26	Rating **	A/W	Issue No.	537 (cont)
LM End	2.26	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.160327 °	39.160327 °
				-122.913998 °	-122.913998 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26987					
DS_ID:21240					
EP_NO: N/A					
Repair Type: No Action Needed					
Crossing Status: Found					
UCIP Comments:					
FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (two 36-inch pipes [HLM 2.26] retained under Automatic Board Order (ABO) issued as Permit No. 11460, 1975 - Robert L. and Lavona Gentry). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 2.26)].					
FS Date: 1/14/2014					

Photo 3 of 3 : UCIP\_SP\_2018\_26987\_49851.jpg



Pipe, Concrete headwall, and flap gate visible on WS berm.

LM Start	2.26	Rating **	A/W	Issue No.	538
LM End	2.26	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.160272 °	39.160272 °
				-122.913966 °	-122.913966 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26986 DS_ID:21197 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. (two 36-inch pipes [HLM 2.26] retained under Automatic Board Order (ABO) issued as Permit No. 11460, 1975 - Robert L. and Lavona Gentry). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 2.26)]. FS Date: 1/9/2014					

Photo 1 of 3 : UCIP\_SP\_2018\_26986\_49849.jpg



Concrete headwall and pipe visible on LS toe at end of drainage swale.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/12/2018 04/12/2018	Bob Duffey

LM Start	2.26	Rating **	A/W	Issue No.	538 (cont)	
LM End	2.26	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.160272 °	39.160272 °	
				-122.913966 °	-122.913966 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26986 DS_ID:21197 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on both ends. (two 36-inch pipes [HLM 2.26] retained under Automatic Board Order (ABO) issued as Permit No. 11460, 1975 - Robert L. and Lavona Gentry). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 2.26)]. FS Date: 1/9/2014						

Photo 2 of 3 : UCIP\_SP\_2018\_26986\_49848.jpg



Concrete headwall and pipe visible on LS toe.

LM Start	<b>2.26</b>	Rating **	A/W	Issue No.	<b>538 (cont)</b>
LM End	<b>2.26</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_26986\_49847.jpg



Concrete headwall and pipe visible on WS berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/12/2018 04/12/2018	Bob Duffey

LM Start	2.29	Rating **	M	Issue No.	13
LM End	2.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.160285 °	39.160285 °
				-122.913481 °	-122.913481 °
DWR ID	DWR_NA0009_01_s_2013_13				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_NA0009\_3\_13\_20180305\_00007.jpg



View of the vehicle erosion along the waterside slope.

LM Start	2.35	Rating **	M	Issue No.	539
LM End	2.35	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.161002 °	39.161002 °
				-122.912843 °	-122.912843 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27004					
DS_ID:21199					
EP_NO: 11460					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Heavy vegetation on LS at inlet should be removed.					
FIELD_STRUCT_DESC: 42-inch corrugated metal drainage pipe					
through the levee, 10 feet below the crown. Flap gate on the waterside					
(WS) end. Concrete headwall on both ends. (42-inch pipe [HLM 2.35]					
retained under Automatic Board Order (ABO) issued as Permit No.					
11460, 1975 - Robert L. and Lavona Gentry). [Additional Reference(s):					
DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2,					
August 1961, (HLM 2.35)].					
FS Date: 1/14/2014					

Photo 1 of 3 : UCIP\_SP\_2018\_27004\_49862.jpg



Heavy vegetation at inlet on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/12/2018 04/12/2018	Bob Duffey

LM Start	2.35	Rating **	M	Issue No.	539 (cont)
LM End	2.35	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.161002 °	39.161002 °
				-122.912843 °	-122.912843 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27004 DS_ID:21199 EP_NO: 11460 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Heavy vegetation on LS at inlet should be removed. FIELD_STRUCT_DESC: 42-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on both ends. (42-inch pipe [HLM 2.35] retained under Automatic Board Order (ABO) issued as Permit No. 11460, 1975 - Robert L. and Lavona Gentry). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 2.35)]. FS Date: 1/14/2014					

Photo 2 of 3 : UCIP\_SP\_2018\_27004\_49861.jpg



Concrete U-shaped headwall on WS berm.

LM Start	<b>2.35</b>	Rating **	M	Issue No.	<b>539 (cont)</b>
LM End	<b>2.35</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_27004\_49860.jpg



Concrete U-shaped headwall and flap gate on WS berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

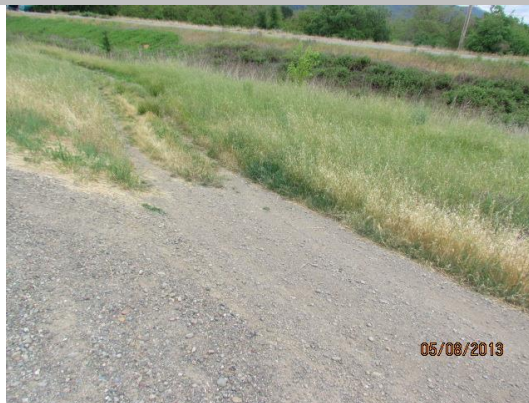
**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/12/2018 04/12/2018	Bob Duffey

LM Start	2.36	Rating **	M	Issue No.	14
LM End	2.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.161153 °	39.161153 °
				-122.912740 °	-122.912740 °
DWR ID	DWR_NA0009_01_s_2013_14				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_NA0009\_3\_14\_20180305\_00008.jpg



View of the vehicle erosion along the waterside slope.

LM Start	2.38	Rating **	M	Issue No.	15
LM End	2.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.161381 °	39.161708 °
				-122.912551 °	-122.912168 °
DWR ID	DWR_NA0009_01_s_2013_15				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
trim the trees to at least 5 feet above the ground for visibility and remove the vegetation from the slope.					

Photo 1 of 1 : SP\_2018\_NA0009\_3\_15\_20180305\_00009.jpg



Trim the trees up 5 feet to allow visibility.

LM Start	2.40	Rating **	M	Issue No.	16
LM End	2.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.161601 °	39.161601 °
				-122.912303 °	-122.912303 °
DWR ID	DWR_NA0009_01_s_2013_16				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_NA0009\_3\_16\_20180305\_00010.jpg



View of the vehicle erosion along the waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/12/2018 04/12/2018	Bob Duffey

LM Start	2.42	Rating **	M	Issue No.	17
LM End	2.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.161802 °	39.161802 °
				-122.912020 °	-122.912020 °
DWR ID	DWR_NA0009_01_s_2013_17				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_NA0009\_3\_17\_20180305\_00011.jpg



View of the erosion caused by vehicle along the landside slope.

LM Start	2.47	Rating **	M	Issue No.	7
LM End	2.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.161692 °	39.160217 °
				-122.911748 °	-122.912957 °
DWR ID	DWR_NA0009_01_s_2012_7				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_NA0009\_3\_7\_20180305\_00005.jpg



View of a building &amp; fence along the toe of the levee.

LM Start	2.48	Rating **	U	Issue No.	3
LM End	2.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.161615 °	39.160804 °
				-122.911733 °	-122.912536 °
DWR ID	DWR_NA0009_01_s_2012_3				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 2 : SP\_2018\_NA0009\_3\_3\_20180305\_00001.jpg



View of the vegetation along the landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/12/2018 04/12/2018	Bob Duffey

LM Start	2.48	Rating **	U	Issue No.	3 (cont)	
LM End	2.55	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			39.161615 °		39.160804 °
				-122.911733 °		-122.912536 °
DWR ID	DWR_NA0009_01_s_2012_3					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						

Photo 2 of 2 : SP\_2018\_NA0009\_3\_3\_20180305\_00002.jpg



View of the vegetation along the landside slope.

LM Start	2.58	Rating **	M	Issue No.	5
LM End	2.66	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.160443 °	39.159308 °
				-122.912845 °	-122.913417 °
DWR ID	DWR_NA0009_01_s_2012_5				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_NA0009\_3\_5\_20180305\_00004.jpg



View of the landscape along the landside slope.

LM Start	2.58	Rating **	M	Issue No.	4
LM End	2.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.160398 °	39.160020 °
				-122.912837 °	-122.913186 °
DWR ID	DWR_NA0009_01_s_2012_4				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_NA0009\_3\_4\_20180305\_00003.jpg



View of the fences at the Landside toe.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/12/2018 04/12/2018	Bob Duffey

LM Start	2.60	Rating **	M	Issue No.	22
LM End	2.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.160190 °	39.159523 °
				-122.913039 °	-122.913402 °
DWR ID	DWR_NA0009_01_f_2016_22				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

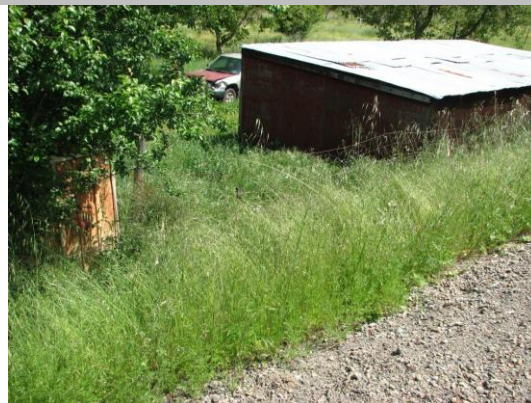
No Photos

LM Start	2.66	Rating **	C	Issue No.	6
LM End	2.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.159304 °	39.157252 °
				-122.913422 °	-122.913993 °
DWR ID	DWR_NA0009_01_s_2012_6				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The vegetation was removed from the landside slope.					

No Photos

LM Start	2.93	Rating **	U	Issue No.	31
LM End	2.93	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.155553 °	39.155553 °
				-122.914560 °	-122.914560 °
DWR ID	DWR_NA0009_01_s_2016_31				
Comment Code					
BU : Building					
Inspector Comment					
Two wooden sheds, one large, one small, with metal roofs.					

Photo 1 of 1 : SP\_2018\_NA0009\_3\_31\_20180305\_00018.jpg



5/2/2016: Remove or relocate 2 unpermitted sheds on L/S slope and toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/12/2018 04/12/2018	Bob Duffey

LM Start	2.95	Rating **	M	Issue No.	25
LM End	2.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.155301 °	39.155301 °
				-122.914633 °	-122.914633 °
DWR ID	DWR_NA0009_01_s_2016_25				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_NA0009\_3\_25\_20180305\_00015.jpg



Trim trees to 5' above levee slope (LS). 4/19/2016

LM Start	2.97	Rating **	M	Issue No.	12
LM End	2.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.154889 °	39.154889 °
				-122.914716 °	-122.914716 °
DWR ID	DWR_NA0009_01_f_2016_12				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.10	Rating **	M	Issue No.	32
LM End	3.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.153144 °	39.153144 °
				-122.914538 °	-122.914538 °
DWR ID	DWR_NA0009_01_s_2016_32				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.35	04/12/2018 04/12/2018	Bob Duffey

LM Start	3.26	Rating **	M	Issue No.	534
LM End	3.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.150957 °	39.150957 °
				-122.913504 °	-122.913504 °
DWR ID	DWR_NA0009_01_s_2015_534				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_NA0009\_3\_534\_20180305\_00021.jpg



Remove the trees from the landside toe.

LM Start	3.28	Rating **	M	Issue No.	19
LM End	3.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.150673 °	39.150673 °
				-122.913355 °	-122.913355 °
DWR ID	DWR_NA0009_01_f_2016_19				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	3.30	Rating **	M	Issue No.	20
LM End	3.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.150325 °	39.150325 °
				-122.913161 °	-122.913161 °
DWR ID	DWR_NA0009_01_f_2016_20				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side WS : Water Side CR : Crown		A : Acceptable M : Minimally Acceptable U : Unacceptable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
N/A : Not Applicable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			



**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2018 Levee Inspection Results**

**Lake County Watershed Protection District**

Waterway			Bank	Unit Miles
Unit No. 02 Middle Creek			Right	2.66
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/12/2018 - 4/12/2018			
DWR Inspector	Bob Duffey			
Accompanied By	Scott Webb Lake County			
	David Cowan Lake County			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.02	Rating **	M	Issue No.	4
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.189540 °	39.187900 °
				-122.908065 °	-122.908655 °
DWR ID	DWR_NA0009_02_s_2013_4				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim the trees up 5 feet to allow visibility.					

Photo 1 of 1 : SP\_2018\_NA0009\_4\_4\_20180305\_00004.jpg



View of the overgrown trees at the landside toe.

LM Start	0.08	Rating **	M	Issue No.	19
LM End	0.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.188772 °	39.188772 °
				-122.908465 °	-122.908465 °
DWR ID	DWR_NA0009_02_s_2014_19				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.14	Rating **	A/W	Issue No.	32	
LM End	0.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.187919 °		39.187919 °
				-122.908631 °		-122.908631 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27066 DS_ID:21201 EP_NO: 11485 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 42-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on both ends. (42-inch pipe [HLM 0.13] retained under Automatic Board Order (ABO) issued as Permit No. 11485, 1975 - John and Vivian Strickfaden). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 0.13)]. FS Date: 1/14/2014						

Photo 1 of 3 : UCIP\_SP\_2018\_27066\_50049.jpg



Pipe and headwall visible at LS toe in drainage swale.

LM Start	<b>0.14</b>	Rating **	A/W	Issue No.	<b>32 (cont)</b>
LM End	<b>0.14</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_27066\_50048.jpg



Pipe and headwall visible at LS toe in drainage swale.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.14	Rating **	A/W	Issue No.	32 (cont)	
LM End	0.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.187919 °	39.187919 °	
				-122.908631 °	-122.908631 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27066 DS_ID:21201 EP_NO: 11485 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 42-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS). Concrete headwalls on both ends. (42-inch pipe [HLM 0.13] retained under Automatic Board Order (ABO) issued as Permit No. 11485, 1975 - John and Vivian Strickfaden). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 0.13)]. FS Date: 1/14/2014						

Photo 3 of 3 : UCIP\_SP\_2018\_27066\_50047.jpg



Pipe with some sediment at flowline.

LM Start	0.20	Rating **	U	Issue No.	1
LM End	0.20	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.187039 °	39.187039 °
				-122.908880 °	-122.908880 °
DWR ID	DWR_NA0009_02_s_2016_1				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_NA0009\_4\_1\_20180305\_00001.jpg



View of the building on the landside toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.24	Rating **	A/W	Issue No.	33
LM End	0.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.186794 °	39.186794 °
				-122.909413 °	-122.909413 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27184 DS_ID:21204 EP_NO: 11484 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (36-inch pipe [HLM 0.23] retained under Automatic Board Order (ABO) issued as Permit No. 11484, 1975 - Rodney Snow). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 0.23)]. FS Date: 1/14/2014					

Photo 1 of 3 : UCIP\_SP\_2018\_27184\_50322.jpg



Concrete headwall and pipe on LS toe.

LM Start	<b>0.24</b>	Rating **	A/W	Issue No.	<b>33 (cont)</b>
LM End	<b>0.24</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_27184\_50321.jpg



Pipe at inlet.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.24	Rating **	A/W	Issue No.	33 (cont)	
LM End	0.24	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.186794 °	39.186794 °	
				-122.909413 °	-122.909413 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27184 DS_ID:21204 EP_NO: 11484 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (36-inch pipe [HLM 0.23] retained under Automatic Board Order (ABO) issued as Permit No. 11484, 1975 - Rodney Snow). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 0.23)]. FS Date: 1/14/2014						

Photo 3 of 3 : UCIP\_SP\_2018\_27184\_50320.jpg



Flapgate and concrete headwall on WS toe.

LM Start	0.24	Rating **	M	Issue No.	9
LM End	0.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.186739 °	39.186389 °
				-122.909436 °	-122.909821 °
DWR ID	DWR_NA0009_02_s_2013_9				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_NA0009\_4\_9\_20180305\_00006.jpg



View of the overgrown trees and vegetation at the landside toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.38	Rating **	M	Issue No.	17
LM End	0.38	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.185239 °	39.185239 °
				-122.911018 °	-122.911018 °
DWR ID	DWR_NA0009_02_f_2016_17				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_NA0009\_4\_17\_20180305\_00008.jpg



View of the prunings along the landside toe.

LM Start	0.39	Rating **	A/W	Issue No.	34
LM End	0.39	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.185174 °	39.185174 °
				-122.911171 °	-122.911171 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27192 DS_ID:21206 EP_NO: 11478 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 42-inch corrugated metal drainage pipe through the levee, 7.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. Grouted spillway over revetment on bank. (42-inch pipe [HLM 0.38] retained under Automatic Board Order (ABO) issued as Permit No. 11478, 1975 - William D. and Dorothy L. Allison). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 0.38)]. FS Date: 1/14/2014					

Photo 1 of 3 : UCIP\_SP\_2018\_27192\_50326.jpg



Pipe and concrete headwall at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.39	Rating **	A/W	Issue No.	34 (cont)	
LM End	0.39	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.185174 °	39.185174 °	
				-122.911171 °	-122.911171 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27192 DS_ID:21206 EP_NO: 11478 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 42-inch corrugated metal drainage pipe through the levee, 7.7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. Grouted spillway over revetment on bank. (42-inch pipe [HLM 0.38] retained under Automatic Board Order (ABO) issued as Permit No. 11478, 1975 - William D. and Dorothy L. Allison). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 0.38)]. FS Date: 1/14/2014						

Photo 2 of 3 : UCIP\_SP\_2018\_27192\_50325.jpg



Flapgate and headwall off WS toe at berms edge.

LM Start	<b>0.39</b>	Rating **	A/W	Issue No.	<b>34 (cont)</b>
LM End	<b>0.39</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_27192\_50324.jpg



Pipe and concrete headwall at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.42	Rating **	M	Issue No.	23
LM End	0.57	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.184812 °	39.182825 °
				-122.911647 °	-122.912168 °
DWR ID	DWR_NA0009_02_f_2016_23				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	0.48	Rating **	A/W	Issue No.	35	
LM End	0.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.184126 °		39.184126 °
				-122.912118 °		-122.912118 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27199 DS_ID:21208 EP_NO: 11480 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 42-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (42-inch pipe [HLM 0.47] retained under Automatic Board Order (ABO) issued as Permit No. 11480, 1975 - Jose G. and Dora Moto). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 0.47)]. FS Date: 1/14/2014						

Photo 1 of 3 : UCIP\_SP\_2018\_27199\_50389.jpg



Concrete headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.48	Rating **	A/W	Issue No.	35 (cont)	
LM End	0.48	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.184126 °		39.184126 °
				-122.912118 °		-122.912118 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27199 DS_ID:21208 EP_NO: 11480 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 42-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (42-inch pipe [HLM 0.47] retained under Automatic Board Order (ABO) issued as Permit No. 11480, 1975 - Jose G. and Dora Moto). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 0.47)]. FS Date: 1/14/2014						

Photo 2 of 3 : UCIP\_SP\_2018\_27199\_50388.jpg



Pipe and concrete headwall on LS toe.

LM Start	<b>0.48</b>	Rating **	A/W	Issue No.	<b>35 (cont)</b>
LM End	<b>0.48</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_27199\_50387.jpg



Concrete headwall and flapgate visible on waterside berm

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.48	Rating **	M	Issue No.	36
LM End	0.48	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.184080 °	39.184080 °
				-122.912130 °	-122.912130 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27563 DS_ID:24761 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No Permit identified for crossing. FIELD_STRUCT_DESC: 1.5-inch high-density polyethylene irrigation pipe through the levee, at an unknown depth. Pipe visible on the waterside (WS) berm and slope. Pump house on the LS toe. FS Date: 1/14/2014 7:19:18 AM					

Photo 1 of 3 : UCIP\_SP\_2018\_27563\_51182.jpg



Pipe visible just downstream from stormdrain.

LM Start	<b>0.48</b>	Rating **	M	Issue No.	<b>36 (cont)</b>
LM End	<b>0.48</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_27563\_51181.jpg



Pipe visible just downstream from stormdrain.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.48	Rating **	M	Issue No.	36 (cont)
LM End	0.48	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.184080 °	39.184080 °
				-122.912130 °	-122.912130 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27563 DS_ID:24761 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No Permit identified for crossing. FIELD_STRUCT_DESC: 1.5-inch high-density polyethylene irrigation pipe through the levee, at an unknown depth. Pipe visible on the waterside (WS) berm and slope. Pump house on the LS toe. FS Date: 1/14/2014 7:19:18 AM					

Photo 3 of 3 : UCIP\_SP\_2018\_27563\_51180.jpg



cut across levee crown visible along pipe alignment.

LM Start	0.49	Rating **	M	Issue No.	20
LM End	0.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.184001 °	39.183676 °
				-122.912139 °	-122.912179 °
DWR ID	DWR_NA0009_02_s_2016_20				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Remove large downed pine tree branch on LS toe.					

Photo 1 of 1 : SP\_2018\_NA0009\_4\_20\_20180305\_00011.jpg



View of the fallen tree branch on landside slope and toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.50	Rating **	U	Issue No.	37
LM End	0.50	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.183775 °	39.183775 °
				-122.912187 °	-122.912187 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:51435 DS_ID:21209 EP_NO: 8513 Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/30/2016 Pipe not in use per LMA representative, Scott Webb. DWR Fall inspection 2016 indicated depression along pipe alignment. According to LMA representative the new property owner is Tracy Joe Hill. Need to contact owner. New owner will need to coordinate with CVFPB regarding permit name change and to address depression noted in the 2016 DWR Fall Inspection . (O. Magana - DWR UCIP)01/14/2014 Appears pipe is leaking on WS toe of Levee at mud pit. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 1.25-inch steel groundwater pipe through the levee, 2 feet below the levee. Steel cutoff wall around pipe at center of levee. Well with 8-inch casing on waterside (WS) slope. (1.25-inch water pipe and 0.75-inch electrical conduit authorized under Permit No. 8513, 1974 - Fisher) FS Date: 11/30/2016					

LM Start	<b>0.50</b>	Rating **	U	Issue No.	<b>37 (cont)</b>
LM End	<b>0.50</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_51435\_50393.jpg



Pump and pipe visible at wooden box on WS berm.

Photo 2 of 3 : UCIP\_SP\_2018\_51435\_50392.jpg



Mudpit at WS berm were pipe may be leaking.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.50	Rating **	U	Issue No.	37 (cont)	
LM End	0.50	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.183775 °	39.183775 °	
				-122.912187 °	-122.912187 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51435 DS_ID:21209 EP_NO: 8513 Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/30/2016 Pipe not in use per LMA representative, Scott Webb. DWR Fall inspection 2016 indicated depression along pipe alignment. According to LMA representative the new property owner is Tracy Joe Hill. Need to contact owner. New owner will need to coordinate with CVFPB regarding permit name change and to address depression noted in the 2016 DWR Fall Inspection . (O. Magana - DWR UCIP)01/14/2014 Appears pipe is leaking on WS toe of Levee at mud pit. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 1.25-inch steel groundwater pipe through the levee, 2 feet below the levee. Steel cutoff wall around pipe at center of levee. Well with 8-inch casing on waterside (WS) slope. (1.25-inch water pipe and 0.75-inch electrical conduit authorized under Permit No. 8513, 1974 - Fisher) FS Date: 11/30/2016						

Photo 3 of 3 : UCIP\_SP\_2018\_51435\_50391.jpg



Valves visible just off LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.55	Rating **	M	Issue No.	38
LM End	0.55	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.183130 °	39.183130 °
				-122.912198 °	-122.912198 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27208 DS_ID:21210 EP_NO: 11482 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Fence on LS slope creates access issue. FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 9 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (36-inch pipe [HLM 0.54] retained under ABO No. 11482, 1975 - George R. and Gladys Schneider). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 0.54)]. FS Date: 1/14/2014					

LM Start	<b>0.55</b>	Rating **	M	Issue No.	<b>38 (cont)</b>
LM End	<b>0.55</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_27208\_50411.jpg



Concrete headwall on LS toe.

Photo 2 of 3 : UCIP\_SP\_2018\_27208\_50410.jpg



Flapgate and concrete headwall on WS berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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# Lake County Watershed Protection District



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.95	Rating **	M	Issue No.	24
LM End	0.99	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.177451 °	39.176937 °
				-122.913802 °	-122.913576 °
DWR ID	DWR_NA0009_02_f_2016_24				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	0.96	Rating **	M	Issue No.	25
LM End	0.96	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.177249 °	39.177249 °
				-122.913619 °	-122.913619 °
DWR ID	DWR_NA0009_02_f_2016_25				
Comment Code					
BU : Building					
Inspector Comment					
Two 40' shipping containers in the flood way need to be removed.					

Photo 1 of 1 : SP\_2018\_NA0009\_4\_25\_20180305\_00012.jpg



View of the shipping container in the floodway.

LM Start	0.97	Rating **	M	Issue No.	7
LM End	0.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.177218 °	39.176992 °
				-122.913673 °	-122.913642 °
DWR ID	DWR_NA0009_02_s_2012_7				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_NA0009\_4\_7\_20180305\_00005.jpg



View of the vegetation at the landside toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.99	Rating **	M	Issue No.	3
LM End	0.99	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.176835 °	39.176835 °
				-122.913558 °	-122.913558 °
DWR ID	DWR_NA0009_02_s_2012_3				
Comment Code					
TR : Tree or limb					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_NA0009\_4\_3\_20180305\_00003.jpg



View of the tree prunings on the W/S toe.

LM Start	0.99	Rating **	U	Issue No.	2
LM End	0.99	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.176815 °	39.176815 °
				-122.913540 °	-122.913540 °
DWR ID	DWR_NA0009_02_s_2012_2				
Comment Code					
FE : Fence					
Inspector Comment					
Unpermitted fence and building.					

Photo 1 of 1 : SP\_2018\_NA0009\_4\_2\_20180305\_00002.jpg



View of the building &amp; fence along the Landside toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	1.03	Rating **	A/W	Issue No.	39 (cont)	
LM End	1.03	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.176366 °		39.176366 °
				-122.913509 °		-122.913509 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27583 DS_ID:21211 EP_NO: 11486 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 36-inch corrugated metal drainage pipe through the levee, 7.3 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. Splash apron broken off on the WS end. (36-inch pipe [HLM 1.08] retained under Automatic Board Order (ABO) issued as Permit No. 11486, 1975 - Mary Truesdell). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 1.08) Drawing No. CC-4-4-29]. FS Date: 1/22/2014						

Photo 3 of 3 : UCIP\_SP\_2018\_27583\_51200.jpg



Pipe visible on LS toe.

LM Start	1.09	Rating **	U	Issue No.	10
LM End	1.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.175460 °	39.175075 °
				-122.913400 °	-122.913392 °
DWR ID	DWR_NA0009_02_s_2013_10				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_NA0009\_4\_10\_20180305\_00007.jpg



View of the unauthorized fence along the landside toe.

\* Location  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable  
 M : Minimally Acceptable  
 U : Unacceptable  
 N : Not Inspected/Rated  
 C : Corrected  
 A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



# Lake County Watershed Protection District

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	1.16	Rating **	M	Issue No.	40 (cont)	
LM End	1.16	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.174370 °	39.174370 °	
				-122.913543 °	-122.913543 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:42994 DS_ID:21212 EP_NO: 11483 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and if so, should be done so properly. Debris blocking flapgate at outlet. FIELD_STRUCT_DESC: *ABANDONED* 30-inch corrugated metal drainage pipe through the levee, 17.8 feet below the crown. Slide gate in 44-inch corrugated metal riser unit on the waterside (WS) slope. Flap gate on the WS end at concrete headwall. 6-foot by 8-foot concrete sump at the landside (LS) toe. (30-inch pipe [HLM 1.22] retained under Automatic Board Order (ABO) issued as Permit No. 11483, 1975 - Edward M. and Mildred E. Seely). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 1.22)]. FS Date: 1/22/2014						

Photo 3 of 3 : UCIP\_SP\_2018\_42994\_51215.jpg



Flapgate and concrete headwall visible off WS berm.

LM Start	1.70	Rating **	M	Issue No.	41
LM End	1.70	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.167156 °	39.167156 °
				-122.916610 °	-122.916610 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27606 DS_ID:21214 EP_NO: 15825 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe with closure device not visible on WS toe. Clear soil from pipe and cover for better verification of closure. FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 2 feet below the crown. Siphon breaker on apex of pipe at the landside (LS) shoulder. Exposed filter on LS slope. Seasonal pump on the waterside (WS) slope. (Permit No. 15825, 1992 - Edward Seely). [Additional Reference(s): DWR Levee Log, 2005]. FS Date: 1/22/2014					

Photo 1 of 2 : UCIP\_SP\_2018\_27606\_51250.jpg



Vent on LS shoulder with filter visible on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	1.70	Rating **	M	Issue No.	41 (cont)	
LM End	1.70	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.167156 °	39.167156 °	
				-122.916610 °	-122.916610 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27606						
DS_ID:21214						
EP_NO: 15825						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe with closure device not visible on WS toe. Clear soil from pipe and cover for better verification of closure.						
FIELD_STRUCT_DESC: 8-inch steel irrigation pipe through the levee, 2 feet below the crown. Siphon breaker on apex of pipe at the landside (LS) shoulder. Exposed filter on LS slope. Seasonal pump on the waterside (WS) slope. (Permit No. 15825, 1992 - Edward Seely).						
[Additional Reference(s): DWR Levee Log, 2005].						
FS Date: 1/22/2014						

Photo 2 of 2 : UCIP\_SP\_2018\_27606\_51249.jpg



T-post at WS toe may indicate location of pipe end. Covered with soil.

LM Start	1.92	Rating **	M	Issue No.	18
LM End	1.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.163912 °	39.163912 °
				-122.916695 °	-122.916695 °
DWR ID	DWR_NA0009_02_s_2016_18				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim willow trees.					

Photo 1 of 1 : SP\_2018\_NA0009\_4\_18\_20180305\_00009.jpg



View of the overgrown willow trees at the landside levee slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	1.95	Rating **	M	Issue No.	42
LM End	1.95	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.163509 °	39.163509 °
				-122.916726 °	-122.916726 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27607 DS_ID:21253 EP_NO: 18228 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Pipe not found and no indication it was installed. Contact inspector for further info. FIELD_STRUCT_DESC: To install a 3-inch sewer pipeline of an unknown material through both the east and west levees of Middle Creek with the pipeline encased in a 6-inch sleeve attached to the Highway 20 Bridge across Middle Creek. (Permit No. 18228, 2007 - Mohammed Hussain). FS Date: 1/22/2014					

No Photos

LM Start	1.96	Rating **	M	Issue No.	43
LM End	1.96	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.163414 °	39.163414 °
				-122.916741 °	-122.916741 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27624					
DS_ID:21243					
EP_NO: 15865					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Permit number likely revised from 15865. Verify with inspector and modify entry as required.					
FIELD_STRUCT_DESC: 8-inch steel pressurized sewer line through the levee, 3 feet below the crown. Cutoff wall around pipe at center of levee. Siphon breaker on the waterside (WS) shoulder. Pipe visible under bridge. (Permit No. 15865, 1992 - Zachary Calhoun).					
FS Date: 1/22/2014					

Photo 1 of 2 : UCIP\_SP\_2018\_27624\_51263.jpg



Pipe visible under bridge.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	2.00	Rating **	M	Issue No.	44 (cont)	
LM End	2.00	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.162753 °	39.162753 °	
				-122.916811 °	-122.916811 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27629						
DS_ID:21250						
EP_NO: 17191						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Appears abandoned, if so it should be done so properly.						
FIELD_STRUCT_DESC: 2 of 2: 2-inch polyvinyl chloride electrical conduit through the levee, 2 feet below the crown. Well and electric pump at the waterside (WS) toe. Pole and meter. (Permit No. 17191, 2000 - Lake County Land and Cattle, LLC).						
FS Date: 1/22/2014						

Photo 2 of 2 : UCIP\_SP\_2018\_27629\_51279.jpg



Meter and control on LS slope next to pole.

LM Start	2.76	Rating **	C	Issue No.	22
LM End	2.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.152322 °	39.152322 °
				-122.915380 °	-122.915380 °
DWR ID	DWR_NA0009_02_s_2016_22				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
The walnut tree was trimmed up over 5 feet.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	2.81	Rating **	A	Issue No.	31
LM End	2.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.151758 °	39.151758 °
				-122.915127 °	-122.915127 °
DWR ID	DWR_NA0009_02_s_2018_31				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Native vegetation is well maintained on both slopes.					

Photo 1 of 1 : SP\_2018\_NA0009\_4\_31\_20180416\_00051.jpg



View of native vegetation on both slopes.

LM Start	2.84	Rating **	M	Issue No.	45
LM End	2.84	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.151257 °	39.151257 °
				-122.914908 °	-122.914908 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27630 DS_ID:21215 EP_NO: 11481 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Soil partially blocking inlet and outlet. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (24-inch pipe [HLM 2.93] retained under Automatic Board Order (ABO) issued as Permit No. 11481, 1975 - Dennis P. McCarthy). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 2.93)]. FS Date: 1/22/2014					

Photo 1 of 3 : UCIP\_SP\_2018\_27630\_51283.jpg



Concrete headwall and pipe visible at LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	2.66	04/12/2018 04/12/2018	Bob Duffey

LM Start	2.84	Rating **	M	Issue No.	45 (cont)	
LM End	2.84	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.151257 °		39.151257 °
				-122.914908 °		-122.914908 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27630 DS_ID:21215 EP_NO: 11481 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Soil partially blocking inlet and outlet. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (24-inch pipe [HLM 2.93] retained under Automatic Board Order (ABO) issued as Permit No. 11481, 1975 - Dennis P. McCarthy). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 2.93)]. FS Date: 1/22/2014						

Photo 2 of 3 : UCIP\_SP\_2018\_27630\_51282.jpg



Concrete headwall and flapgate visible at WS berm.

LM Start	<b>2.84</b>	Rating **	M	Issue No.	<b>45 (cont)</b>
LM End	<b>2.84</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_27630\_51281.jpg



Concrete headwall and pipe visible at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2018 Levee Inspection Results**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles
Unit No. 03 Scotts Creek	Left	1.36

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/12/2018 - 4/12/2018			
DWR Inspector	Bob Duffey			
Accompanied By	Scott Webb Lake County			
	David Cowan Lake County			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.16	Rating **	A	Issue No.	20
LM End	0.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.149920 °	39.149920 °
				-122.915542 °	-122.915542 °
DWR ID	DWR_NA0009_03_s_2018_20				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Native vegetation on both slopes will soon need management.					

Photo 1 of 1 : SP\_2018\_NA0009\_5\_20\_20180416\_00042.jpg



View of the native vegetation on both slopes.

LM Start	0.49	Rating **	M	Issue No.	9
LM End	0.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.154195 °	39.154195 °
				-122.918134 °	-122.918134 °
DWR ID	DWR_NA0009_03_s_2016_9				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_NA0009\_5\_9\_20180305\_00001.jpg



View of the overgrown trees and vegetation at the landside toe.

LM Start	0.49	Rating **	M	Issue No.	8
LM End	0.49	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.154197 °	39.154197 °
				-122.918163 °	-122.918163 °
DWR ID	DWR_NA0009_03_f_2016_8				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.54	Rating **	M	Issue No.	10
LM End	0.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.154706 °	39.154706 °
				-122.918622 °	-122.918622 °
DWR ID	DWR_NA0009_03_s_2016_10				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.54	Rating **	M	Issue No.	21	
LM End	0.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.154786 °	39.154786 °	
				-122.918703 °	-122.918703 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27863 DS_ID:21217 EP_NO: 11492 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Vegetation at inlet and wooden box failing at LS toe. FIELD_STRUCT_DESC: 42-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends with a wooden retaining wall drop inlet at the landside (LS) toe. (42-inch pipe [HLM 0.55] retained under Automatic Board Order (ABO) issued as Permit No. 11492, 1975 - Dennis P. McCarthy). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 0.55) Drawing No. CC-4-4-29]. FS Date: 1/22/2014						

Photo 1 of 3 : UCIP\_SP\_2018\_27863\_51542.jpg



Pipe visible at LS toe covered with vegetation.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.54	Rating **	M	Issue No.	21 (cont)	
LM End	0.54	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.154786 °		39.154786 °
				-122.918703 °		-122.918703 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27863 DS_ID:21217 EP_NO: 11492 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Vegetation at inlet and wooden box failing at LS toe. FIELD_STRUCT_DESC: 42-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends with a wooden retaining wall drop inlet at the landside (LS) toe. (42-inch pipe [HLM 0.55] retained under Automatic Board Order (ABO) issued as Permit No. 11492, 1975 - Dennis P. McCarthy). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 0.55) Drawing No. CC-4-4-29]. FS Date: 1/22/2014						

LM Start	<b>0.54</b>	Rating **	M	Issue No.	<b>21 (cont)</b>
LM End	<b>0.54</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_27863\_51541.jpg



Concrete headwall and flapgate visible at WS berm.

Photo 3 of 3 : UCIP\_SP\_2018\_27863\_51540.jpg



Concrete headwall and flapgate visible at WS berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Lake County Watershed Protection District







## Levee Inspection Report By Mile - Spring 2018

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.84	Rating **	M	Issue No.	14
LM End	0.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.158556 °	39.159304 °
				-122.920674 °	-122.920784 °
DWR ID	DWR_NA0009_03_f_2016_14				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

View of the waterside vegetation looking upstream.

LM Start	0.92	Rating **	A/W	Issue No.	24
LM End	0.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.159628 °	39.159628 °
				-122.920853 °	-122.920853 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27893 DS_ID:21247 EP_NO: N/A Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: *ABANDONED* 36-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Plugged with concrete. [Additional Reference(s): USACE Sacramento O&M Manual 506.2, August 1961, (HLM 0.90)]. FS Date: 1/22/2014					

A photograph showing a small, light-colored, rounded object, possibly a piece of debris or a small animal, lying on a ground covered with dry leaves and twigs. The object is positioned in the center-right of the frame, partially obscured by the surrounding vegetation. The ground is a mix of brown, dry leaves and small, dark twigs, with some patches of green moss or small plants visible. The lighting is natural, suggesting an outdoor setting.

Plugged pipe visible on WS toe of roadway.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.92	Rating **	A/W	Issue No.	24 (cont)	
LM End	0.92	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.159628 °	39.159628 °	
				-122.920853 °	-122.920853 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27893						
DS_ID:21247						
EP_NO: N/A						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: *ABANDONED* 36-inch corrugated metal drainage pipe through the levee, 10 feet below the crown. Plugged with concrete. [Additional Reference(s): USACE Sacramento O&M Manual 506.2, August 1961, (HLM 0.90)].						
FS Date: 1/22/2014						

Photo 2 of 3 : UCIP\_SP\_2018\_27893\_51594.jpg



Roadway marker 52.29 on LS and WS shoulder mark pipe location on crown.

LM Start	<b>0.92</b>	Rating **	A/W	Issue No.	<b>24 (cont)</b>
LM End	<b>0.92</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_27893\_51596.jpg



Concrete headwall and plugged pipe visible on LS toe of roadway.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.93	Rating **	M	Issue No.	25 (cont)	
LM End	0.93	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.159736 °	39.159736 °	
				-122.921042 °	-122.921042 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27894						
DS_ID:21221						
EP_NO: 11488						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Concrete headwall on WS berm is being undermined. 2-foot of scour under headwall.						
FIELD_STRUCT_DESC: 42-inch corrugated metal drainage pipe through the levee, 16.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (42-inch pipe [HLM 0.94] retained under Automatic Board Order (ABO) issued as Permit No. 11488, 1975 - Robert F. and Mary E. Wheeler). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 0.94)].						
FS Date: 1/22/2014						

Photo 3 of 3 : UCIP\_SP\_2018\_27894\_51597.jpg



Concrete headwall on LS toe.

LM Start	0.99	Rating **	M	Issue No.	26	
LM End	0.99	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.160129 °	39.160129 °	
				-122.922117 °	-122.922117 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27903						
DS_ID:21248						
EP_NO: 11488						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Siphon breaker standpipe knocked over and covered with dirt. Pipe and appurtances appear to be in disrepair. Gate valves next to tank broken.						
FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, 2.5 feet below the crown. Siphon breaker in 24-inch corrugated metal riser unit on the landside (LS) shoulder. Screw gate on the waterside (WS) slope next to pump and 300-gallon tank. (Pipe retained under Automatic Board Order (ABO) issued as Permit No. 11488, 1975 - Robert F. and Mary E. Wheeler). [Additional Reference(s): USACE Sacramento O&M Manual 506.2, August 1961, (HLM 1.02)].						
FS Date: 1/22/2014						

Photo 1 of 3 : UCIP\_SP\_2018\_27903\_51622.jpg



Pump at concrete pad on WS berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.99	Rating **	M	Issue No.	26 (cont)	
LM End	0.99	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.160129 °		39.160129 °
				-122.922117 °		-122.922117 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27903						
DS_ID:21248						
EP_NO: 11488						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Siphon breaker standpipe knocked over and covered with dirt. Pipe and appurtances appear to be in disrepair. Gate valves next to tank broken.						
FIELD_STRUCT_DESC: 6-inch steel irrigation pipe through the levee, 2.5 feet below the crown. Siphon breaker in 24-inch corrugated metal riser unit on the landside (LS) shoulder. Screw gate on the waterside (WS) slope next to pump and 300-gallon tank. (Pipe retained under Automatic Board Order (ABO) issued as Permit No. 11488, 1975 - Robert F. and Mary E. Wheeler). [Additional Reference(s): USACE Sacramento O&M Manual 506.2, August 1961, (HLM 1.02)].						
FS Date: 1/22/2014						

Photo 2 of 3 : UCIP\_SP\_2018\_27903\_51621.jpg



Gate valves at tank appear to be in disrepair.

LM Start	<b>0.99</b>	Rating **	M	Issue No.	<b>26 (cont)</b>
LM End	<b>0.99</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_27903\_51620.jpg



filler valves on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.99	Rating **	M	Issue No.	27
LM End	0.99	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.160117 °	39.160117 °
				-122.922144 °	-122.922144 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27943 DS_ID:21222 EP_NO: 11488 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some vegetation buildup at inlet and outlet. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (24-inch pipe [HLM 1.01] retained under Automatic Board Order (ABO) issued as Permit No. 11488, 1975 - Robert F. and Mary E. Wheeler). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 1.01)]. FS Date: 1/22/2014					

Photo 1 of 3 : UCIP\_SP\_2018\_27943\_51642.jpg



Concrete Headwall on WS berm.

LM Start	<b>0.99</b>	Rating **	M	Issue No.	<b>27 (cont)</b>
LM End	<b>0.99</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_27943\_51641.jpg



Headwall and flapgate on WS berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.99	Rating **	M	Issue No.	27 (cont)	
LM End	0.99	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.160117 °	39.160117 °	
				-122.922144 °	-122.922144 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27943 DS_ID:21222 EP_NO: 11488 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some vegetation buildup at inlet and outlet. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 14 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (24-inch pipe [HLM 1.01] retained under Automatic Board Order (ABO) issued as Permit No. 11488, 1975 - Robert F. and Mary E. Wheeler). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 1.01)]. FS Date: 1/22/2014						

Photo 3 of 3 : UCIP\_SP\_2018\_27943\_51640.jpg



Pipe location marked on crown by flasher.

LM Start	1.07	Rating **	M	Issue No.	28
LM End	1.07	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.159803 °	39.159803 °
				-122.923501 °	-122.923501 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27944 DS_ID:21223 EP_NO: 11489 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some sedimentation buildup at inlet and through pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (24-inch pipe [HLM 1.09] retained under Automatic Board Order (ABO) issued as Permit No. 11489, 1975 - Bank of Upper Lake). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 1.09)]. FS Date: 1/22/2014					

Photo 1 of 3 : UCIP\_SP\_2018\_27944\_51646.jpg



Flasher on crown marks pipe location.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/12/2018 04/12/2018	Bob Duffey

LM Start	1.07	Rating **	M	Issue No.	28 (cont)	
LM End	1.07	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.159803 °		39.159803 °
				-122.923501 °		-122.923501 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27944 DS_ID:21223 EP_NO: 11489 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Some sedimentation buildup at inlet and through pipe. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 12.5 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (24-inch pipe [HLM 1.09] retained under Automatic Board Order (ABO) issued as Permit No. 11489, 1975 - Bank of Upper Lake). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 1.09)]. FS Date: 1/22/2014						

LM Start	<b>1.07</b>	Rating **	M	Issue No.	<b>28 (cont)</b>
LM End	<b>1.07</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_27944\_51645.jpg



Flapgate and headwall visible on WS toe.

Photo 3 of 3 : UCIP\_SP\_2018\_27944\_51644.jpg



Concrete headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/12/2018 04/12/2018	Bob Duffey

LM Start	1.07	Rating **	U	Issue No.	13
LM End	1.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.159789 °	39.159613 °
				-122.923515 °	-122.924643 °
DWR ID	DWR_NA0009_03_s_2016_13				
Comment Code					
AV : Abandoned vehicles					
Inspector Comment					
Junk yard full of abandoned vehicles, some stacked at levee toe obstructing visibility and access to levee toe.					

Photo 1 of 1 : SP\_2018\_NA0009\_5\_13\_20180305\_00004.jpg



5/2/2016: Vehicle junk yard behind fence covered in dense growth of bushes and vines.

LM Start	1.07	Rating **	U	Issue No.	12
LM End	1.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.159787 °	39.159616 °
				-122.923517 °	-122.924645 °
DWR ID	DWR_NA0009_03_s_2016_12				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation growing on fence blocks visibility and access.					

Photo 1 of 1 : SP\_2018\_NA0009\_5\_12\_20180305\_00003.jpg



5/2/2016: Dense bushes and vines covering fence along vehicle junk yard.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/12/2018 04/12/2018	Bob Duffey

LM Start	1.07	Rating **	U	Issue No.	11
LM End	1.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.159783 °	39.159615 °
				-122.923517 °	-122.924645 °
DWR ID	DWR_NA0009_03_s_2016_11				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_NA0009\_5\_11\_20180305\_00002.jpg



5/2/2016: Fence along vehicle junk yard is covered in dense growth of bushes and vines.

LM Start	1.23	Rating **	A/W	Issue No.	29	
LM End	1.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.160359 °		39.160359 °
				-122.926188 °		-122.926188 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27963 DS_ID:21224 EP_NO: 11489 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 4: 36-inch corrugated metal drainage pipe through the levee, 15.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (four 36-inch pipes [HLM 1.25] retained under Automatic Board Order (ABO) issued as Permit No. 11489, 1975 - Bank of Upper Lake). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 1.25)]. FS Date: 1/22/2014						

Photo 1 of 3 : UCIP\_SP\_2018\_27963\_51662.jpg



Concrete headwall on LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/12/2018 04/12/2018	Bob Duffey

LM Start	1.23	Rating **	A/W	Issue No.	29 (cont)	
LM End	1.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.160359 °		39.160359 °
				-122.926188 °		-122.926188 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27963 DS_ID:21224 EP_NO: 11489 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 4: 36-inch corrugated metal drainage pipe through the levee, 15.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (four 36-inch pipes [HLM 1.25] retained under Automatic Board Order (ABO) issued as Permit No. 11489, 1975 - Bank of Upper Lake). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 1.25)]. FS Date: 1/22/2014						

Photo 2 of 3 : UCIP\_SP\_2018\_27963\_51661.jpg



Pipe on LS toe.

LM Start	<b>1.23</b>	Rating **	A/W	Issue No.	<b>29 (cont)</b>
LM End	<b>1.23</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_27963\_51660.jpg



Flapgate on headwall at WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/12/2018 04/12/2018	Bob Duffey

LM Start	1.23	Rating **	A/W	Issue No.	30	
LM End	1.23	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.160369 °		39.160369 °
				-122.926208 °		-122.926208 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27964 DS_ID:21237 EP_NO: 11489 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 4: 36-inch corrugated metal drainage pipe through the levee, 15.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (four 36-inch pipes [HLM 1.25] retained under Automatic Board Order (ABO) issued as Permit No. 11489, 1975 - Bank of Upper Lake). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 1.25)]. FS Date: 1/22/2014						

Photo 1 of 3 : UCIP\_SP\_2018\_27964\_51665.jpg



Pipe and headwall on LS toe.

LM Start	<b>1.23</b>	Rating **	A/W	Issue No.	<b>30 (cont)</b>
LM End	<b>1.23</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_27964\_51664.jpg



Pipe from LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/12/2018 04/12/2018	Bob Duffey

LM Start	1.24	Rating **	A/W	Issue No.	31 (cont)	
LM End	1.24	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.160377 °	39.160377 °	
				-122.926223 °	-122.926223 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27965 DS_ID:21238 EP_NO: 11489 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 3 of 4: 36-inch corrugated metal drainage pipe through the levee, 15.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (four 36-inch pipes [HLM 1.25] retained under Automatic Board Order (ABO) issued as Permit No. 11489, 1975 - Bank of Upper Lake). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 1.25)]. FS Date: 1/22/2014						

Photo 2 of 3 : UCIP\_SP\_2018\_27965\_51667.jpg



Pipe from LS toe.

LM Start	<b>1.24</b>	Rating **	A/W	Issue No.	<b>31 (cont)</b>
LM End	<b>1.24</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_27965\_51666.jpg



Flapgate on headwall at WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/12/2018 04/12/2018	Bob Duffey

LM Start	1.24	Rating **	A/W	Issue No.	32
LM End	1.24	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.160386 °	39.160386 °
				-122.926239 °	-122.926239 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:27967 DS_ID:21239 EP_NO: 11489 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 4 of 4: 36-inch corrugated metal drainage pipe through the levee, 15.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (four 36-inch pipes [HLM 1.25] retained under Automatic Board Order (ABO) issued as Permit No. 11489, 1975 - Bank of Upper Lake). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 1.25)]. FS Date: 1/22/2014					

Photo 1 of 3 : UCIP\_SP\_2018\_27967\_51671.jpg



Pipe and concrete headwall on LS toe.

LM Start	<b>1.24</b>	Rating **	A/W	Issue No.	<b>32 (cont)</b>
LM End	<b>1.24</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_27967\_51670.jpg



Pipe from LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.36	04/12/2018 04/12/2018	Bob Duffey

LM Start	1.24	Rating **	A/W	Issue No.	32 (cont)	
LM End	1.24	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.160386 °		39.160386 °
				-122.926239 °		-122.926239 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:27967 DS_ID:21239 EP_NO: 11489 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 4 of 4: 36-inch corrugated metal drainage pipe through the levee, 15.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (four 36-inch pipes [HLM 1.25] retained under Automatic Board Order (ABO) issued as Permit No. 11489, 1975 - Bank of Upper Lake). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 1.25)]. FS Date: 1/22/2014						

Photo 3 of 3 : UCIP\_SP\_2018\_27967\_51669.jpg



Flapgate on concrete headwall on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2018 Levee Inspection Results**

**Lake County Watershed Protection District**

Waterway			Bank	Unit Miles
Unit No. 04 Page, Alley and Clover Creek Diversion			Right	1.49
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/12/2018 - 4/12/2018			
DWR Inspector	Bob Duffey			
Accompanied By	Scott Webb Lake County			
	David Cowan Lake County			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.14	Rating **	A/W	Issue No.	18	
LM End	0.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.176422 °		39.176422 °
				-122.909978 °		-122.909978 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26947 DS_ID:21236 EP_NO: 11499 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2: 42-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (two 42-inch pipes [HLM 0.14] retained under Automatic Board Order (ABO) issued as Permit No. 11499, 1975 - Howard D. and Eunice A. Norton). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 0.14)]. FS Date: 1/9/2014						

Photo 1 of 3 : UCIP\_SP\_2018\_26947\_49793.jpg



Concrete headwall visible on LS toe.

LM Start	<b>0.14</b>	Rating **	A/W	Issue No.	<b>18 (cont)</b>
LM End	<b>0.14</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_26947\_49792.jpg



Concrete headwall visible on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.14	Rating **	A/W	Issue No.	18 (cont)	
LM End	0.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.176422 °	39.176422 °	
				-122.909978 °	-122.909978 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26947 DS_ID:21236 EP_NO: 11499 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 1 of 2: 42-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (two 42-inch pipes [HLM 0.14] retained under Automatic Board Order (ABO) issued as Permit No. 11499, 1975 - Howard D. and Eunice A. Norton). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 0.14)]. FS Date: 1/9/2014						

Photo 3 of 3 : UCIP\_SP\_2018\_26947\_49791.jpg



Concrete headwall visible on WS berm.

LM Start	0.14	Rating **	A/W	Issue No.	19
LM End	0.14	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.176419 °	39.176419 °
				-122.909954 °	-122.909954 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26948 DS_ID:21225 EP_NO: 11499 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 2: 42-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (two 42-inch pipes [HLM 0.14] retained under Automatic Board Order (ABO) issued as Permit No. 11499, 1975 - Howard D. and Eunice A. Norton). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 0.14)]. FS Date: 1/9/2014					

Photo 1 of 3 : UCIP\_SP\_2018\_26948\_49797.jpg



Concrete headwall and inlet visible on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.14	Rating **	A/W	Issue No.	19 (cont)	
LM End	0.14	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.176419 °		39.176419 °
				-122.909954 °		-122.909954 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26948 DS_ID:21225 EP_NO: 11499 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 2 of 2: 42-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (two 42-inch pipes [HLM 0.14] retained under Automatic Board Order (ABO) issued as Permit No. 11499, 1975 - Howard D. and Eunice A. Norton). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 0.14). FS Date: 1/9/2014						

Photo 2 of 3 : UCIP\_SP\_2018\_26948\_49796.jpg



Concrete headwall and inlet visible on LS toe.

LM Start	<b>0.14</b>	Rating **	A/W	Issue No.	<b>19 (cont)</b>
LM End	<b>0.14</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2018\_26948\_49795.jpg



Concrete headwall visible on toe of WS berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.15	Rating **	M	Issue No.	17
LM End	0.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.176420 °	39.176420 °
				-122.909693 °	-122.909693 °
DWR ID	DWR_NA0009_04_s_2018_17				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Removed the trees from the landside slope.					

Photo 1 of 1 : SP\_2018\_NA0009\_6\_17\_20180416\_00026.jpg



View of the tree along the landside slope.

LM Start	0.41	Rating **	A	Issue No.	16
LM End	0.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.176447 °	39.176447 °
				-122.904838 °	-122.904838 °
DWR ID	DWR_NA0009_04_s_2018_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Native grasses on both slopes are adequately maintained.					

Photo 1 of 1 : SP\_2018\_NA0009\_6\_16\_20180416\_00025.jpg



View of the native grasses along both slopes.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.53	Rating **	M	Issue No.	20	
LM End	0.53	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.176410 °	39.176410 °	
				-122.902740 °	-122.902740 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26907						
DS_ID:21226						
EP_NO: 6303						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe open on waterwardside and should be plugged.						
FIELD_STRUCT_DESC: 4-inch steel irrigation pipe through the levee, 1.5 feet below the crown. Steel cutoff wall around the pipe at center of levee. Pipe connects to 4-inch exposed aluminum pipe connected to upstream side of bridge. (Permit No. 6303-A, 1968 - John M. Siseuich).						
[Additional Reference(s): DWR Levee Log, 2005].						
FS Date: 1/9/2014						

Photo 1 of 3 : UCIP\_SP\_2018\_26907\_49751.jpg



Pipe open on waterward end.

LM Start	<b>0.53</b>	Rating **	M	Issue No.	<b>20 (cont)</b>
LM End	<b>0.53</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_26907\_49750.jpg



Pipe visible on upstream side of bridge.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.53	Rating **	M	Issue No.	20 (cont)	
LM End	0.53	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.176410 °	39.176410 °	
				-122.902740 °	-122.902740 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26907						
DS_ID:21226						
EP_NO: 6303						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe open on waterwardside and should be plugged.						
FIELD_STRUCT_DESC: 4-inch steel irrigation pipe through the levee,						
1.5 feet below the crown. Steel cutoff wall around the pipe at center of						
levee. Pipe connects to 4-inch exposed aluminum pipe connected to						
upstream side of bridge. (Permit No. 6303-A, 1968 - John M. Siseuich).						
[Additional Reference(s): DWR Levee Log, 2005].						
FS Date: 1/9/2014						

Photo 3 of 3 : UCIP\_SP\_2018\_26907\_49749.jpg



Pipe visible on upstream side of bridge.

LM Start	0.55	Rating **	C	Issue No.	15
LM End	0.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.176425 °	39.176425 °
				-122.902398 °	-122.902398 °
DWR ID	DWR_NA0009_04_s_2018_15				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
The rodent holes were repaired along the landside slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.74	Rating **	N	Issue No.	14
LM End	0.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.177678 °	39.177678 °
				-122.899097 °	-122.899097 °
DWR ID	DWR_NA0009_04_f _ 2016_14				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	0.75	Rating **	U	Issue No.	21	
LM End	0.75	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.177676 °	39.177676 °	
				-122.898917 °	-122.898917 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:51472 DS_ID:21227 EP_NO: 11501 Repair Type: Urgent Crossing Status: Found UCIP Comments: 11/30/2016 Clover Creek has significant sediment build up that blocks the outlet. Crossing is still in use to drain water from LS to WS according to LMA representative, Scott Webb. (O. Magana - DWR UCIP)01/09/2014 Pipe rusted through at connection to flapgate. Good indication pipe may need replacement. Video inspection recommended. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal (CM) drainage pipe through the levee, 13.8 feet below the crown. Flap gate is located on the waterside (WS) end. Concrete headwalls located on both the WS and landside (LS) ends. (24-inch pipe [HLM 0.77] was retained under Automatic Board Order (ABO) issued as Permit No. 11501, 1975 - Sisevich). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit 506.2, August 1961, (HLM 0.77)]. FS Date: 11/30/2016						

Photo 1 of 3 : UCIP\_SP\_2018\_51472\_49754.jpg



Drainage canal at inlet on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.75	Rating **	U	Issue No.	21 (cont)
LM End	0.75	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.177676 °	39.177676 °
				-122.898917 °	-122.898917 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:51472  
DS\_ID:21227  
EP\_NO: 11501  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 11/30/2016 Clover Creek has significant sediment build up that blocks the outlet. Crossing is still in use to drain water from LS to WS according to LMA representative, Scott Webb. (O. Magana - DWR UCIP)01/09/2014 Pipe rusted through at connection to flapgate. Good indication pipe may need replacement. Video inspection recommended. (W. Wylie - DWR UCIP)  
FIELD\_STRUCT\_DESC: 24-inch corrugated metal (CM) drainage pipe through the levee, 13.8 feet below the crown. Flap gate is located on the waterside (WS) end. Concrete headwalls located on both the WS and landside (LS) ends. (24-inch pipe [HLM 0.77] was retained under Automatic Board Order (ABO) issued as Permit No. 11501, 1975 - Sisevich). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual Unit 506.2, August 1961, (HLM 0.77)].  
FS Date: 11/30/2016

LM Start	<b>0.75</b>	Rating **	U	Issue No.	<b>21 (cont)</b>
LM End	<b>0.75</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_51472\_49753.jpg



Pipe and concrete headwall visible in drainage channel on LS toe.

Photo 3 of 3 : UCIP\_SP\_2018\_51472\_49752.jpg



Flapgate at concrete headwall on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

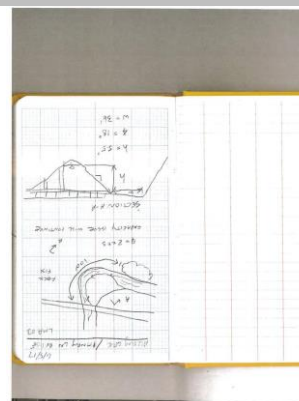
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.93	Rating **	C	Issue No.	5
LM End	0.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.178953 °	39.178953 °
				-122.896629 °	-122.896629 °
DWR ID	DWR_NA0009_04_s_2018_5				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
The Oak tree has been pruned up over 5 feet for visibility.					

No Photos

LM Start	0.99	Rating **	A/W	Issue No.	11
LM End	1.00	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			39.179715 °	39.179916 °
				-122.896926 °	-122.896970 °
DWR ID	DWR_NA0009_04_f_2017_11				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:18					
Site Designation:LMA-3					
Repair Type: Erosion					
Rating:Critical					
Field Date:6/5/2017					
Notes: Erosion begins at the edge of the patrol road. Slope is covered in loose gravel, washes out every high water season.					

Photo 1 of 2 : LEVAL\_SP\_2018\_18\_1398.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.99	Rating **	A/W	Issue No.	11 (cont)	
LM End	1.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			39.179715 °	39.179916 °	
				-122.896926 °	-122.896970 °	
DWR ID	DWR_NA0009_04_f_2017_11					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:18						
Site Designation:LMA-3						
Repair Type: Erosion						
Rating:Critical						
Field Date:6/5/2017						
Notes: Erosion begins at the edge of the patrol road. Slope is covered in loose gravel, washes out every high water season.						

Photo 2 of 2 : LEVAL\_SP\_2018\_18\_335.jpg



LM Start	1.19	Rating **	A/W	Issue No.	12
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.182082 °	39.182082 °
				-122.895062 °	-122.895062 °
DWR ID	DWR_NA0009_04_f_2017_12				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Remove the rodent holes from the landside toe.					

Photo 1 of 1 : SP\_2018\_NA0009\_6\_12\_20180305\_00005.jpg



View of the rodent holes along the landside slope &amp; toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/12/2018 04/12/2018	Bob Duffey

LM Start	1.19	Rating **	A/W	Issue No.	22
LM End	1.19	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.182079 °	39.182079 °
				-122.895038 °	-122.895038 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26924 DS_ID:21228 EP_NO: 11496 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 42-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (24-inch pipes [HLM 1.21] retained under Automatic Board Order (ABO) issued as Permit No. 11496, 1975 - Earl Foutch). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 1.21)]. FS Date: 1/9/2014					

Photo 1 of 3 : UCIP\_SP\_2018\_26924\_49762.jpg



Drainpipe visible at LS toe.

LM Start	<b>1.19</b>	Rating **	A/W	Issue No.	<b>22 (cont)</b>
LM End	<b>1.19</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_26924\_49761.jpg



Concrete headwall and drainpipe visible at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/12/2018 04/12/2018	Bob Duffey

LM Start	1.19	Rating **	A/W	Issue No.	22 (cont)	
LM End	1.19	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.182079 °	39.182079 °	
				-122.895038 °	-122.895038 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26924 DS_ID:21228 EP_NO: 11496 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 42-inch corrugated metal drainage pipe through the levee, 8 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwalls on both ends. (24-inch pipes [HLM 1.21] retained under Automatic Board Order (ABO) issued as Permit No. 11496, 1975 - Earl Foutch). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506.2, August 1961, (HLM 1.21)]. FS Date: 1/9/2014						

Photo 3 of 3 : UCIP\_SP\_2018\_26924\_49760.jpg



Concrete headwall visible off WS berm.

LM Start	1.19	Rating **	M	Issue No.	13
LM End	1.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.182161 °	39.182862 °
				-122.894983 °	-122.894505 °
DWR ID	DWR_NA0009_04_f_2016_13				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_NA0009\_6\_13\_20180305\_00006.jpg



View of a ditch at the landside toe looking downstream.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Page, Alley and Clover Creek Diversion	Right	1.49	04/12/2018 04/12/2018	Bob Duffey

LM Start	1.42	Rating **	M	Issue No.	10
LM End	1.42	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.185074 °	39.185074 °
				-122.893382 °	-122.893382 °
DWR ID	DWR_NA0009_04_f_2016_10				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP\_2018\_NA0009\_6\_10\_20180305\_00002.jpg



View of the prunings and soil pile on the waterside berm looking downstream.

LM Start	1.43	Rating **	M	Issue No.	4
LM End	1.46	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.185183 °	39.185568 °
				-122.893384 °	-122.893348 °
DWR ID	DWR_NA0009_04_f_2016_4				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Oleanders blocking visibility.					

Photo 1 of 1 : SP\_2018\_NA0009\_6\_4\_20180305\_00001.jpg



View of the Oleanders looking downstream.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2018 Levee Inspection Results**

**Lake County Watershed Protection District**

Waterway			Bank	Unit Miles
Unit No. 05 Clover Creek and Clover Creek Diversion			Left	1.03
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/12/2018 - 4/12/2018			
DWR Inspector	Bob Duffey			
Accompanied By	Scott Webb Lake County			
	David Cowan Lake County			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*





**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.31	Rating **	M	Issue No.	21 (cont)	
LM End	0.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.177076 °	39.177076 °	
				-122.898879 °	-122.898879 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26897 DS_ID:21235 EP_NO: 11507 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) Some sediment buildup at LS toe. FIELD_STRUCT_DESC: [Clover Creek Diversion Structure] 1 of 6: 36-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Slide gate on the waterside (WS) end. Steel walkway on the WS slope to slide gate. Concrete headwall on both ends. (six 36-inch pipes and structure [HLM 0.3] retained under Automatic Board Order (ABO) issued as Permit No. 11507, 1975 - Lake County Flood Control and Water Conservation District). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506, Part 2, August 1961, (HLM 0.31)]. FS Date: 1/9/2014						

LM Start	<b>0.31</b>	Rating **	M	Issue No.	<b>21 (cont)</b>
LM End	<b>0.31</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2018\_26897\_49711.jpg



Outlet visible at concrete headwall on LS toe.

Photo 3 of 3 : UCIP\_SP\_2018\_26897\_49710.jpg



Slide gate at concrete headwall on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.31	Rating **	M	Issue No.	22 (cont)	
LM End	0.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.177074 °	39.177074 °	
				-122.898902 °	-122.898902 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26891 DS_ID:21234 EP_NO: 11507 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) Some sediment buildup on LS toe. FIELD_STRUCT_DESC: [Clover Creek Diversion Structure] 2 of 6: 36-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Slide gate on the waterside (WS) end. Steel walkway on the WS slope to slide gate. Concrete headwalls on both ends. (six 36-inch pipes and structure [HLM 0.3] retained under Automatic Board Order (ABO) issued as Permit No. 11507, 1975 - Lake County Flood Control and Water Conservation District). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506, Part 2, August 1961, (HLM 0.31)]. FS Date: 1/9/2014						

Photo 3 of 3 : UCIP\_SP\_2018\_26891\_49680.jpg



Slide gate visible at concrete headwall on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.32	Rating **	M	Issue No.	23
LM End	0.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.177078 °	39.177078 °
				-122.898926 °	-122.898926 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:26888 DS_ID:21233 EP_NO: 11507 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) Some sediment buildup at outlet on LS toe. FIELD_STRUCT_DESC: [Clover Creek Diversion Structure] 3 of 6: 36-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Concrete headwall on both ends. Steel slide gate plate blocks inlet on the waterside (WS) toe. (six 36-inch pipes and structure [HLM 0.3] retained under Automatic Board Order (ABO) issued as Permit No. 11507, 1975 - Lake County Flood Control and Water Conservation District). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506, Part 2, August 1961, (HLM 0.31)]. FS Date: 1/9/2014					

LM Start	<b>0.32</b>	Rating **	M	Issue No.	<b>23 (cont)</b>
LM End	<b>0.32</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_26888\_49666.jpg



Steel slide gate visible at concrete headwall on WS toe.

Photo 2 of 3 : UCIP\_SP\_2018\_26888\_49665.jpg



Outlet visible at concrete headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.32	Rating **	M	Issue No.	23 (cont)	
LM End	0.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.177078 °	39.177078 °	
				-122.898926 °	-122.898926 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26888 DS_ID:21233 EP_NO: 11507 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) Some sediment buildup at outlet on LS toe. FIELD_STRUCT_DESC: [Clover Creek Diversion Structure] 3 of 6: 36-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Concrete headwall on both ends. Steel slide gate plate blocks inlet on the waterside (WS) toe. (six 36-inch pipes and structure [HLM 0.3] retained under Automatic Board Order (ABO) issued as Permit No. 11507, 1975 - Lake County Flood Control and Water Conservation District). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506, Part 2, August 1961, (HLM 0.31)]. FS Date: 1/9/2014						

Photo 3 of 3 : UCIP\_SP\_2018\_26888\_49664.jpg



Steel slide gate visible at concrete headwall on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.32	Rating **	M	Issue No.	24	
LM End	0.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.177074 °	39.177074 °	
				-122.898949 °	-122.898949 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26885 DS_ID:21232 EP_NO: 11507 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) Some sediment buildup at outlet on LS toe. FIELD_STRUCT_DESC: [Clover Creek Diversion Structure] 4 of 6: 36-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Concrete headwall on both ends. (six 36-inch pipes and structure [HLM 0.3] retained under Automatic Board Order (ABO) issued as Permit No. 11507, 1975 - Lake County Flood Control and Water Conservation District). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506, Part 2, August 1961, (HLM 0.31)]. FS Date: 1/9/2014						

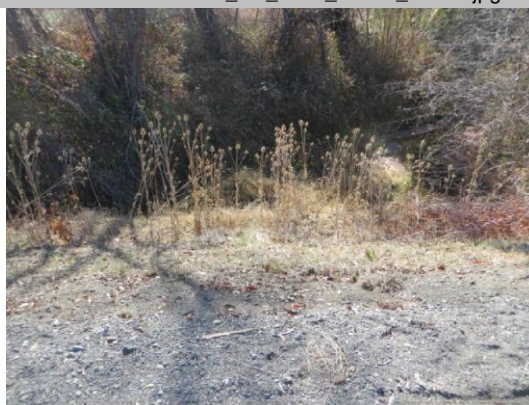
LM Start	<b>0.32</b>	Rating **	M	Issue No.	<b>24 (cont)</b>
LM End	<b>0.32</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_26885\_49634.jpg



Steel plate slide gate visible at headwall on WS toe.

Photo 2 of 3 : UCIP\_SP\_2018\_26885\_49633.jpg



Outlet visible at concrete headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.32	Rating **	M	Issue No.	24 (cont)	
LM End	0.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.177074 °	39.177074 °	
				-122.898949 °	-122.898949 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26885 DS_ID:21232 EP_NO: 11507 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) Some sediment buildup at outlet on LS toe. FIELD_STRUCT_DESC: [Clover Creek Diversion Structure] 4 of 6: 36-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Concrete headwall on both ends. (six 36-inch pipes and structure [HLM 0.3] retained under Automatic Board Order (ABO) issued as Permit No. 11507, 1975 - Lake County Flood Control and Water Conservation District). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506, Part 2, August 1961, (HLM 0.31)]. FS Date: 1/9/2014						

Photo 3 of 3 : UCIP\_SP\_2018\_26885\_49632.jpg



Steel plate slide gate visible at headwall on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.32	Rating **	M	Issue No.	25
LM End	0.32	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.177070 °	39.177070 °
				-122.898967 °	-122.898967 °
DWR ID					

**Comment Code**

**Inspector Comment**

FS\_ID:26883  
DS\_ID:21231  
EP\_NO: 11507  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana)  
Some sediment buildup on LS toe.  
FIELD\_STRUCT\_DESC: [Clover Creek Diversion Structure] 5 of 6: 36-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Concrete headwall on both ends. Steel slide gate blocks inlet on the waterside (WS) toe. (six 36-inch pipes and structure [HLM 0.3] retained under Automatic Board Order (ABO) issued as Permit No. 11507, 1975 - Lake County Flood Control and Water Conservation District). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506, Part 2, August 1961, (HLM 0.31)].  
FS Date: 1/9/2014

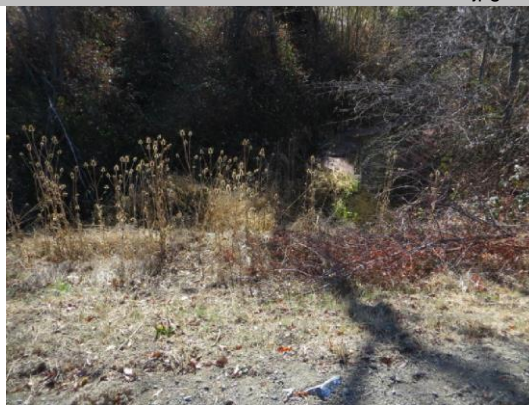
LM Start	<b>0.32</b>	Rating **	M	Issue No.	<b>25 (cont)</b>
LM End	<b>0.32</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_26883\_49622.jpg



Metal slide gate visible at concrete headwall on WS toe.

Photo 2 of 3 : UCIP\_SP\_2018\_26883\_49621.jpg



Pipe visible at concrete headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.32	Rating **	M	Issue No.	25 (cont)	
LM End	0.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.177070 °	39.177070 °	
				-122.898967 °	-122.898967 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26883 DS_ID:21231 EP_NO: 11507 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) Some sediment buildup on LS toe. FIELD_STRUCT_DESC: [Clover Creek Diversion Structure] 5 of 6: 36-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Concrete headwall on both ends. Steel slide gate blocks inlet on the waterside (WS) toe. (six 36-inch pipes and structure [HLM 0.3] retained under Automatic Board Order (ABO) issued as Permit No. 11507, 1975 - Lake County Flood Control and Water Conservation District). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506, Part 2, August 1961, (HLM 0.31)]. FS Date: 1/9/2014						

Photo 3 of 3 : UCIP\_SP\_2018\_26883\_49620.jpg



Metal slide gate visible at concrete headwall on WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.32	Rating **	M	Issue No.	26	
LM End	0.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.177066 °	39.177066 °	
				-122.898986 °	-122.898986 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:26877 DS_ID:21229 EP_NO: 11507 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/27/2017 This structure is inspected annually under the Structure and Channel Summer Inspection (part of the Levee Inspection Program) conducted by the DWR Flood Project Integrity and Inspection Branch (FPIIB). (DWR UCIP - O. Magana) Some sediment buildup at outlet on LS toe. FIELD_STRUCT_DESC: [Clover Creek Diversion Structure] 6 of 6: 36-inch corrugated metal drainage pipe through the levee, 12 feet below the crown. Concrete headwall on both ends. Steel slide gate covers waterside (WS) inlet. (six 36-inch pipes and structure [HLM 0.3] retained under Automatic Board Order (ABO) issued as Permit No. 11507, 1975 - Lake County Flood Control and Water Conservation District). [Additional Reference(s): DWR Levee Log, 2005. USACE Sacramento O&M Manual 506, Part 2, August 1961, (HLM 0.31)]. FS Date: 1/9/2014						

LM Start	<b>0.32</b>	Rating **	M	Issue No.	<b>26 (cont)</b>
LM End	<b>0.32</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP\_SP\_2018\_26877\_49610.jpg



Steel slide gate visible at headwall on WS toe.

Photo 2 of 3 : UCIP\_SP\_2018\_26877\_49609.jpg



Concrete headwall on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.32	Rating **	A/W	Issue No.	13 (cont)	
LM End	0.32	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			39.177150 °	39.177150 °	
				-122.899111 °	-122.899111 °	
DWR ID	DWR_NA0009_05_f_2017_13					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:19						
Site Designation:LCWPD-01						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:6/5/2017						
Notes: Erosion exists between a small weir and diversion pipes.						

LM Start	<b>0.32</b>	Rating **	A/W	Issue No.	<b>13 (cont)</b>
LM End	<b>0.32</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : LEVAL\_SP\_2018\_19\_354.jpg



Photo 3 of 3 : LEVAL\_SP\_2018\_19\_363.jpg



* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.63	Rating **	M	Issue No.	10
LM End	0.63	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.175758 °	39.175758 °
				-122.904353 °	-122.904353 °
DWR ID	DWR_NA0009_05_s _ 2016_10				
Comment Code					
DE : Debris					
Inspector Comment					
Remove prunings and wooden lumber debris.					

Photo 1 of 1 : SP\_2018\_NA0009\_7\_10\_20180305\_00003.jpg



5/2/2016: Remove prunings and lumber debris from L/S toe.

LM Start	0.71	Rating **	M	Issue No.	12
LM End	0.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.175755 °	39.175755 °
				-122.905820 °	-122.905820 °
DWR ID	DWR_NA0009_05_s _ 2018_12				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Native grass should be maintained.					

Photo 1 of 1 : SP\_2018\_NA0009\_7\_12\_20180416\_00028.jpg



View of native vegetation on landside slopes.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Lake County Watershed Protection District



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2018**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.03	04/12/2018 04/12/2018	Bob Duffey

LM Start	0.82	Rating **	A/W	Issue No.	20 (cont)	
LM End	0.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			39.175740 °		39.175750 °
				-122.907980 °		-122.908710 °
DWR ID	DWR_NA0009_05_f_2017_20					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:20						
Site Designation:LCWPD-02						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:6/5/2017						
Notes: 5 - 7 ft deep erosion scarps, bank is normally near vertical but at a much smaller drop off, 1 - 3 ft.						

Photo 3 of 3 : LEVAL\_SP\_2018\_20\_350.jpg



LM Start	1.02	Rating **	C	Issue No.	4
LM End	1.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.175718 °	39.175718 °
				-122.911618 °	-122.911618 °
DWR ID	DWR_NA0009_05_f_2016_4				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
The walnut tree was pruned up over 5 feet for visibility.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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